

Title (en)
INTEGRATED IMAGE SENSOR WITH INTERNAL FEEDBACK AND OPERATION METHOD THEREOF

Title (de)
INTEGRIERTER BILDSENSOR MIT INTERNER RÜCKMELDUNG UND BETRIEBSVERFAHREN DAFÜR

Title (fr)
CAPTEUR D'IMAGE INTÉGRÉ À RÉTROACTION INTERNE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3993405 A3 20220622 (EN)

Application
EP 21205944 A 20211102

Priority

- KR 20200145529 A 20201103
- KR 20210084160 A 20210628

Abstract (en)
An integrated image sensor includes a pixel array; an analog circuit configured to control the pixel array and read out image data based on an output signal of the pixel array; a processor configured to generate a control signal for controlling the analog circuit based on the image data and to feed back the control signal to the analog circuit; and a memory storing the image data.

IPC 8 full level
H04N 5/353 (2011.01); **H04N 5/341** (2011.01); **H04N 5/369** (2011.01)

CPC (source: CN EP US)
H04N 25/40 (2023.01 - CN EP); **H04N 25/533** (2023.01 - CN EP); **H04N 25/534** (2023.01 - EP); **H04N 25/535** (2023.01 - EP); **H04N 25/70** (2023.01 - CN); **H04N 25/709** (2023.01 - US); **H04N 25/71** (2023.01 - CN); **H04N 25/75** (2023.01 - US); **H04N 25/76** (2023.01 - CN EP); **H04N 25/77** (2023.01 - CN); **H04N 25/771** (2023.01 - US); **H04N 25/772** (2023.01 - US); **H04N 25/78** (2023.01 - CN EP); **H04N 25/79** (2023.01 - EP)

Citation (search report)

- [X] US 2004036010 A1 20040226 - HSIEH TZU-CHIANG [US], et al
- [X] WO 2017031205 A1 20170223 - GOOGLE INC [US]
- [X] US 2020195875 A1 20200618 - BERKOVICH ANDREW SAMUEL [US], et al

Cited by
WO2023229743A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3993405 A2 20220504; **EP 3993405 A3 20220622**; CN 114449190 A 20220506; JP 2022075568 A 20220518; US 11849232 B2 20231219; US 2022141412 A1 20220505

DOCDB simple family (application)
EP 21205944 A 20211102; CN 202111251449 A 20211026; JP 2021177275 A 20211029; US 202117496303 A 20211007